

BLASTING FOR STABLE SLOPES SHORT COURSE



Earlybird registration ends 3 May 2019

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11–13 June 2019 | Novotel Perth Langley Hotel | Perth, Western Australia

REGISTRATION BROCHURE

Course objectives:

The objective of blasting is to optimise the cost-effectiveness of the excavation process through the fragmentation and displacement of rock from its in situ condition to a highly diggable muckpile.

The aim of wall control is to optimise the stability of a rock wall exposed by excavation through the control of fragmentation, displacement, vibration and overbreak.

The success of mining and quarrying operations depends on both of these aims being achieved despite the conflict of purpose that may exist.

This course will examine the mechanisms and possible extent of damage to the rock structure behind the face from blasting and the influence that has on the stability of pit walls. The course includes consideration of the mechanisms of rock breakage that operate within a blast and considers means of optimising wall damage adjacent to the blast.

The influence of burden relief, geological structure and application of field controls to verify the use of design parameters will be stressed. Common techniques of wall control, including presplitting, will be detailed.

Programme*

TUESDAY 11 JUNE 2019	
07:45	REGISTRATION
08:15	Introduction <i>Australian Centre for Geomechanics</i>
08:20	Course overview <i>Peter O'Bryan, Peter O'Bryan & Associates</i>
08:40	Introduction – blasting and wall control <i>George Boucher, George Boucher Consulting</i>
10:15	MORNING BREAK
10:30	Wall failure and damage mechanisms <i>Peter O'Bryan</i>
12:30	LUNCH
13:30	The influence of geology <i>George Boucher</i>
15:00	AFTERNOON BREAK
15:15	Explosives and blasting principles (1) <i>George Boucher</i>
17:00	CLOSE DAY ONE

WEDNESDAY 12 JUNE 2019	
08:00	Explosives and blasting principles (2) <i>George Boucher</i>
09:45	MORNING BREAK
10:15	Wall blasting methods <i>George Boucher</i>
11:15	SHORT BREAK
11:30	Timing and burden relief (1) <i>George Boucher</i>
12:00	LUNCH
13:00	Timing and burden relief (2) <i>George Boucher</i>
14:00	SHORT BREAK
14:15	Presplit drilling and blasting <i>George Boucher</i>
15:00	AFTERNOON BREAK
15:15	Smoothwall/trim blast design <i>George Boucher</i>
16:30	Wall blast assessment (1) <i>George Boucher</i>
17:00	CLOSE DAY TWO

THURSDAY 13 JUNE 2019	
08:00	Wall blast assessment (2) <i>George Boucher</i>
09:00	Field implementation <i>Peter O'Bryan</i>
09:30	MORNING BREAK
09:45	Design refinement <i>George Boucher</i>
10:30	SHORT BREAK
10:45	Case studies – worked examples <i>Both presenters</i>
12:00	LUNCH
13:00	Case studies – worked examples (continued) <i>Both presenters</i>
14:30	Discussion, including delegate site wall blasting <i>All delegates</i>
15:30	COURSE END – DRINKS AND SAVOURIES

*This programme was correct at time of printing.

Blasting for Stable Slopes Short Course (1920)

11-13 June 2019

	Earlybird Paid by 3 May 2019	Standard Paid after 3 May 2019
Standard	<input type="checkbox"/> 2,750	<input type="checkbox"/> 3,190
ACG Affiliate†	<input type="checkbox"/> 2,530	<input type="checkbox"/> 2,750
Student^	<input type="checkbox"/> 770	<input type="checkbox"/> 990

† Please visit www.acg.uwa.edu.au/corp_affiliates to view the list of ACG Corporate Affiliates. ^ Students are required to provide proof of full-time enrolment.

Register online at acg.uwa.edu.au/events/blasting-slopes

CONTACT DETAILS

Please print. *denotes mandatory fields.

*Title (Mr, Mrs, Miss, Ms, Dr, Prof., Other) _____

*Family Name _____

*First Name _____

Preferred Name _____

*Position _____

*Organisation _____

Mine/Dept _____

*Address _____

Phone _____

Fax _____

Mobile _____

*Email _____

*All confirmations/event updates will be sent via email

Registrant contact details are intended to be published in the events authorised attendee list made available to event attendees, who may contact you, including electronically.

- I give permission for my details to be included in the event attendee list.
- I give permission for the ACG to forward me ACG research, training and/or education information advice, including electronic communications.
- I require an invitation letter for visa purposes (please forward a copy of your passport information page). For more information regarding Australian visas, please visit page acg.uwa.edu.au/about-events-and-courses/

PAYMENT OPTIONS

- Credit Card:**
Please register online at acg.uwa.edu.au/events/blasting-slopes or alternatively return this completed form to info-acg@uwa.edu.au and phone us on +61 8 6488 3300 to provide credit card details. (Visa and Mastercard are the only cards we accept).
- Electronic Funds Transfer (EFT):** Please return this completed form to info-acg@uwa.edu.au and the ACG will send you an invoice with EFT details included.
PO# (if required) _____

PAYMENT

Total payment AUD _____

Payment to be received by 7 June 2019. All bank fees are the responsibility of the registrant. All prices include applicable taxes. ABN 37 882 817 280

DELEGATE CANCELLATIONS (this does not apply to speakers)

Up to 8 days before course commencement: an administration fee of AUD 150 will be charged. 7 or less days before: no refund. Non-attendance: no refund. Substitutions will be accepted at any time. The ACG reserves the right to cancel the course if insufficient registrations are received.

Who should attend:

The course is aimed at blast designers and those responsible for drilling and blasting operations in the field. Mine planners and engineers will also find this course to be of real value in terms of gaining an understanding of the effects that blasting can have on the in situ geological structure adjacent to the pit and hence on the stability of the final pit wall. The course will also feature blast design workshop sessions.

Presenters:



George Boucher
Director, George Boucher Consulting

George has been involved in blasting technology since 1987, working in Australia and many other locations around the world. He provides advice and training to explosive users and manufacturers on blast design and optimisation, wall control, blast engineering and many other explosive related issues.



Peter O'Bryan
Principal
Peter O'Bryan & Associates

Peter has been involved in open pit and underground mining rock mechanics consulting since 1989, predominantly in West Australia's gold and iron ore mining. He worked initially with Golder Associates, but has worked independently since 1992. Previously he worked for BHP (Mt Newman Mining Co), CRA (Zinc Corporation) and CSIRO (Division of Geomechanics). He has broad experience in open pit geotechnical engineering and mine services.

Event Venue

Novotel Perth Langley Hotel
221 Adelaide Terrace, Perth, WA 6000
Ph: +61 8 9221 1200
H1764-SB3@accor.com | novotelperthlangley.com.au

Accommodation

Please contact the Novotel Perth Reservations Department on 08 9221 1200 / h1764@accor.com and quote the booking code "360711 ACG" to receive a discounted accommodation rate of \$160.00 Bed & Breakfast per room per night. This rate is valid for all standard room types (available with queen or twin bedding) for the dates 10-14 June 2019. Premium room types are available at an additional upgrade fee. All rooms are subject to availability so we recommend contacting the hotel at your earliest convenience if you require accommodation. A credit card will be required at time of booking to guarantee your reservation.

There are various alternative accommodation options in Perth. For a list of local accommodation visit acg.uwa.edu.au/about-events-and-courses.

2020 International Symposium on Slope Stability in Open Pit Mining and Civil Engineering

12-14 May 2020
Perth, Western Australia

ABSTRACTS
DUE 20
AUGUST
2019